

WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

<u>1. FII</u>	TING FEE: There is no in	ing fee for this ic	oriii.						
	ENERAL / WELL OWN								
Existin	ng Office of the State Eng	gineer POD Nun	nber (We	ll Number)	for we	ll to be p	olugged:	B-28-1605 PC)D407
Name	of well owner: Homes	take Mining Co	mpany						
Mailir	ng address: PO Box 98								
City:	Grants		Sta	nte: NM				Zip code:	87020
Phone	Grants 505-287-4456	<u> </u>		E-mai	_{l:} jtoep	ofer@ba	rrick.cor	n	
TH X		MATION							
	VELL DRILLER INFOR Driller contracted to provid		as. Cov	ote Drillin	a Inc.				
	Mexico Well Driller Licens					Evniro	ution Data	_{::} 7/31/16	
New I	Mexico Well Diffiel Licens	e no				Ехриа	ilion Daic	·	
IV V	VELL INFORMATION:								
	A copy of the existing We	all Decord for the	wall to be	a pluggad s	hould be	a attached	to this n	lon	
Note.	A copy of the existing we	ii Record for the	well to be	e prugged s	noula o	attacheu	i w uns pi	iaii.	
1)	GPS Well Location:	Latitude:	35	deg,	15	min, _	19.81	sec	
		Latitude: Longitude:	107	deg,	51	min, _	42.30	_sec, NAD 83	
2)	Reason(s) for plugging	well:							
	Compromised Cas	sina							
	'	3							
3)	Was well used for any type of monitoring program? No If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.								
4)	Does the well tap brack	cish, saline, or ot	herwise p	oor quality	water?	No	If :	yes, provide add	itional detail,
	including analytical resu	ılts and/or laborat	tory repor	rt(s):					
5)	Static water level:	134 feet b	pelow land	d surface /	feet abo	ve land su	ırface (d	circle one)	
6)	Depth of the well:	324feet							

7)	Inside diameter of innermost casing:inches.					
8)	Casing material: Steel					
9)	The well was constructed with: an open-hole production interval, state the open interval: a well screen or perforated pipe, state the screened interval(s):					
10)	What annular interval surrounding the artesian casing of this well is cement-grouted? Assume No					
11)	Was the well built with surface casing?NoIf yes, is the annulus surrounding the surface casing grouted or otherwise sealed?NoIf yes, please describe:					
12)	Has all pumping equipment and associated piping been removed from the well? YesIf not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.					
V. DE	SCRIPTION OF PLANNED WELL PLUGGING:					
pipe, a	If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional al information, such as geophysical logs, that are necessary to adequately describe the proposal.					
1)	Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:					
	Bentonite chips, with limited amounts of graded silica sand if needed, from 324' to 302' BGL placed by tremie pipe, cement grout placed by tremie pipe from 302' to 282' BGL, rip casing from 282' to 40' BGL, pressure grout 285' to 2' BGL by tremie pipe.					
2)	Will well head be cut-off below land surface after plugging? Yes					
VI. PL	JUGGING AND SEALING MATERIALS:					
	The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant					
1)	For plugging intervals that employ cement grout, complete and attach Table A.					
2)	For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.					
3)	Theoretical volume of grout required to plug the well to land surface: N/A					
4)	Type of Cement proposed: Portland Cement					
5)	Proposed cement grout mix: 6 gallons of water per 94 pound sack of Portland cement.					
6)	Will the grout be: X batch-mixed and delivered to the site					

7)	Grout additives requested, and percent by dry weight relative to cement:						
	N/A						
8)	Additional notes and calculations:						
VII.	ADDITIONAL INFORMATION: List addition	nal information below, or on separate sheet(s):				
		7 1	,				
	SIGNATURE:						
-,	sse Toepfer, tions and any attachments, which are a part hereo	say that I have carefully read the foregoing V					
Engin	eer pertaining to the plugging of wells and will co	omply with them, and that each and all of the					
Plugg	ing Plan of Operations and attachments are true to	the best of my knowledge and belief.					
		Signature of Applicant	Date				
		digitate of Approant	Bute				
IX. A	CTION OF THE STATE ENGINEER:						
This V	Well Plugging Plan of Operations is:						
	Approved subject to the attached cor	nditions.					
	Not approved for the reasons provided on the attached letter.						
	Witness my hand and official seal this	day of,					
		Tom Blaine P.E., New Mexico State E	ngineer				
		Ву:					

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	282	282	
Bottom of proposed interval of grout placement (ft bgl)	302	2	
Theoretical volume of grout required per interval (gallons)	330	4570	
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	6	6	
Mixed on-site or batch- mixed and delivered?	Batch-mixed	Batch-mixed	
Grout additive 1 requested	N/A	N/A	
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested	N/A	N/A	
Additive 2 percent by dry weight relative to cement			

Note: Volume may be larger due to movement beyond the inside of casing.

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	302		
Bottom of proposed sealant of grout placement (ft bgl)	324		
Theoretical volume of sealant required per interval (gallons)	360		
Proposed abandonment sealant (manufacturer and trade name)	Bentonite Chips		